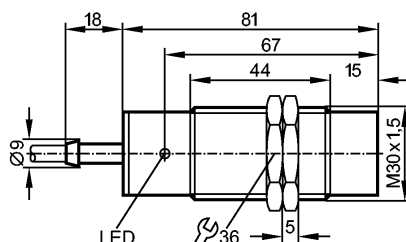


II0012

IIA2015-ABOA

Inductive sensors


Product characteristics

Inductive sensor

Metal thread M30 x 1.5

Cable

Sensing range 15 mm; [nf] non-flush mountable

Electrical data

Electrical design	AC/DC
Operating voltage [V]	20...250 AC/DC
Protection class	II
Reverse polarity protection	no

Outputs

Output function	normally open
Voltage drop [V]	< 6.5 AC / < 6 DC
Minimum load current [mA]	5
Leakage current [mA]	< 2.5 (250 V AC) / < 1.3 (110 V AC) / < 0.8 (24 V DC)

Current rating

- Current rating (continuous) [mA]	250 AC / 100 DC; 350 AC (...50 °C)
- Current rating (peak) [mA]	î: 2.2 A (20 ms / 0.5 Hz)
Short-circuit proof	no
Overload protection	no
Switching frequency [Hz]	25 AC / 50 DC

Monitoring range

Sensing range [mm]	15
Real sensing range (Sr) [mm]	15 ± 10 %
Operating distance [mm]	0...12.1

Accuracy / deviations

Correction factors	mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.4 / aluminium approx. 0.3 / copper approx. 0.2
Hysteresis [% of Sr]	1...15
Switch-point drift [% of Sr]	-10...10

Environment

Ambient temperature [°C]	-25...80
Protection	IP 67

Tests / approvals

EMC	EN 60947-5-2
MTTF [Years]	607

Mechanical data

II0012

IIA2015-ABOA

Inductive sensors

Mounting	non-flush mountable
Housing materials	brass nickel-plated; active face: PBT
Weight [kg]	0.234

Displays / operating elements

Output status indication	LED	yellow
--------------------------	-----	--------

Electrical connection

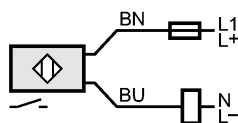
Connection	PVC cable / 2 m; 2 x 0.5 mm ²
------------	--

Wiring

Core colors

BN brown

BU blue



Note: miniature fuse to IEC60127-2 sheet 1,
≤ 2 A (fast acting)

Accessories

Accessories (included)	2 lock nuts
------------------------	-------------

Remarks

Remarks	Recommendation: check the unit for reliable function after a short circuit.
---------	---

Pack quantity [piece]	1
-----------------------	---